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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/524,968	02/17/2005	Petrus Maria De Greef	348162-982270	2948	
94518 DLA PIPER LI	7590 02/02/201 LP (US)	1	348162-982270 2948  EXAMINER  JOSEPH, DENNIS P  ART UNIT PAPER NUMBER  2629	IINER	
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			2629		
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			02/02/2011	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/524,968	DE GREEF ET AL.	
Office Action Summary	Examiner	Art Unit	
	DENNIS P. JOSEPH	2629	
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet wit	h the correspondence address	-
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D.  - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC 136(a). In no event, however, may a re will apply and will expire SIX (6) MONT e, cause the application to become ABA	ATION.  ply be timely filed  "HS from the mailing date of this communica"  ANDONED (35 U.S.C. § 133).	
Status			
1) ☐ Responsive to communication(s) filed on <u>07 s</u> 2a) ☐ This action is <b>FINAL</b> . 2b) ☐ This action is application is in condition for allowed closed in accordance with the practice under	s action is non-final. ance except for formal matte	·	is
Disposition of Claims			
4) ☑ Claim(s) 1-11 and 13-20 is/are pending in the 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☑ Claim(s) 1-11 and 13-20 are subject to restrice	awn from consideration.	nent.	
Application Papers			
9) The specification is objected to by the Examina  10) The drawing(s) filed on is/are: a) accomposed as a composition and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct and the correct of the control of the correct of the control of the correct of the correct of the control of the correct of the correc	cepted or b) objected to be drawing(s) be held in abeyand ction is required if the drawing(s)	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.12	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat * See the attached detailed Office action for a list	its have been received. Its have been received in Apprity documents have been au (PCT Rule 17.2(a)).	oplication No received in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413) /Mail Date formal Patent Application _·	

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## **DETAILED ACTION**

## **Election/Restrictions**

1. This application contains claims directed to the following patentably distinct species:

Figure 5 Constitute Species 1

Figure 6 Constitute Species 2

Figure 7 Constitute Species 3

Figure 8 Constitute Species 4

Figure 10 Constitute Species 5

Figure 11 Constitute Species 6

Figure 13 Constitute Species 7

Figure 14 Constitute Species 8

2. The species are independent or distinct because claims to the different species recite the mutually exclusive characteristics of such species. In addition, these species are not obvious variants of each other based on the current record. Applicant's claim language has been amended at this point to include limitations of different embodiments in the independent claims. For example, please note Species 1, corresponding to Figure 5, which detail an embodiment with a coarse and fine adjustment. Applicant notes this is a separate embodiment in [0005]. Respectfully, these limitations are claimed in Claim 1 of the present invention. For Species 2, corresponding to Figure 6, this embodiment details a different embodiment for the quantization

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of least and most significant bits, as noted by Applicant in [0006]. These limitations appear in Claim 2. For Species 3, corresponding to Figure 7, this embodiment details representation of quantization noise for non-equidistant values, as noted by Applicant in [0012]. These limitations appear in Claim 3. Due to the new claim limitations, there is a burden on examiner to have to search for all these embodiments, which at this point, cannot be read upon by the same reference. These embodiments are admitted as being separate by Applicant and cannot co-exist with each other and as a result, a serious burden on examiner. While it is a species requirement, examiner has made clear that the embodiments are shown in each of the independent claims, so it is respectfully advised that Applicant select one of the independent claims, and its corresponding dependent claims, to continue prosecution.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. **Currently, there is no generic claims** 

There is an examination and search burden for these patentably distinct species due to their mutually exclusive characteristics. The species require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search queries); and/or the prior art applicable to one species would not likely be applicable to another species; and/or the species are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112, first paragraph.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected species, including

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any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election of the species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected species.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other species.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.

## **Conclusions**

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DENNIS P. JOSEPH whose telephone number is (571)270-1459. The examiner can normally be reached on Monday-Friday, 8am-5pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amr Awad can be reached on 571-272-7764. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DJ

/Amr Awad/ Supervisory Patent Examiner, Art Unit 2629